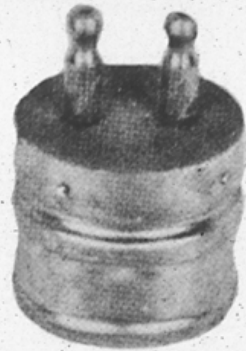


Gil Jost, RSNA

Standards are important



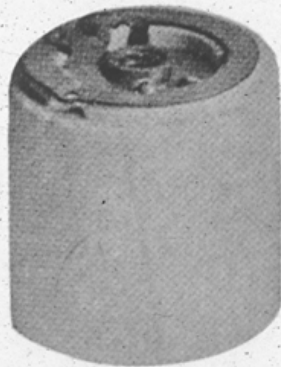
Bernstein.



Heisler.



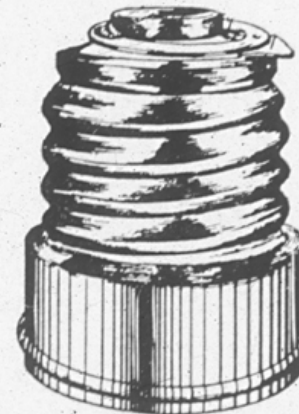
Thomson-Houston
(alternating current).



Thomson-Houston
(arc circuit).



Municipal Edison.



Municipal Bernstein.

**Yet in 1992, in spite of over ten
years of hard work, the ACR-
NEMA standard for medical
imaging was floundering**

ACR-NEMA DICOM

MedPACS Section

Robert Hindel, Chairman

Ad hoc Committee on Demonstration of Version 3.0

Michael Shiff, Chairman

**Early in 1992, the ad-hoc committee
approached RSNA about the
possibility of staging a public
demonstration at their annual
meeting in November**

1992

April 11

April 20

May 15

July 15

August 15

September 15

November 29

Request for Proposals



Award



Workshop



Chicago connectathon



Release 1.1

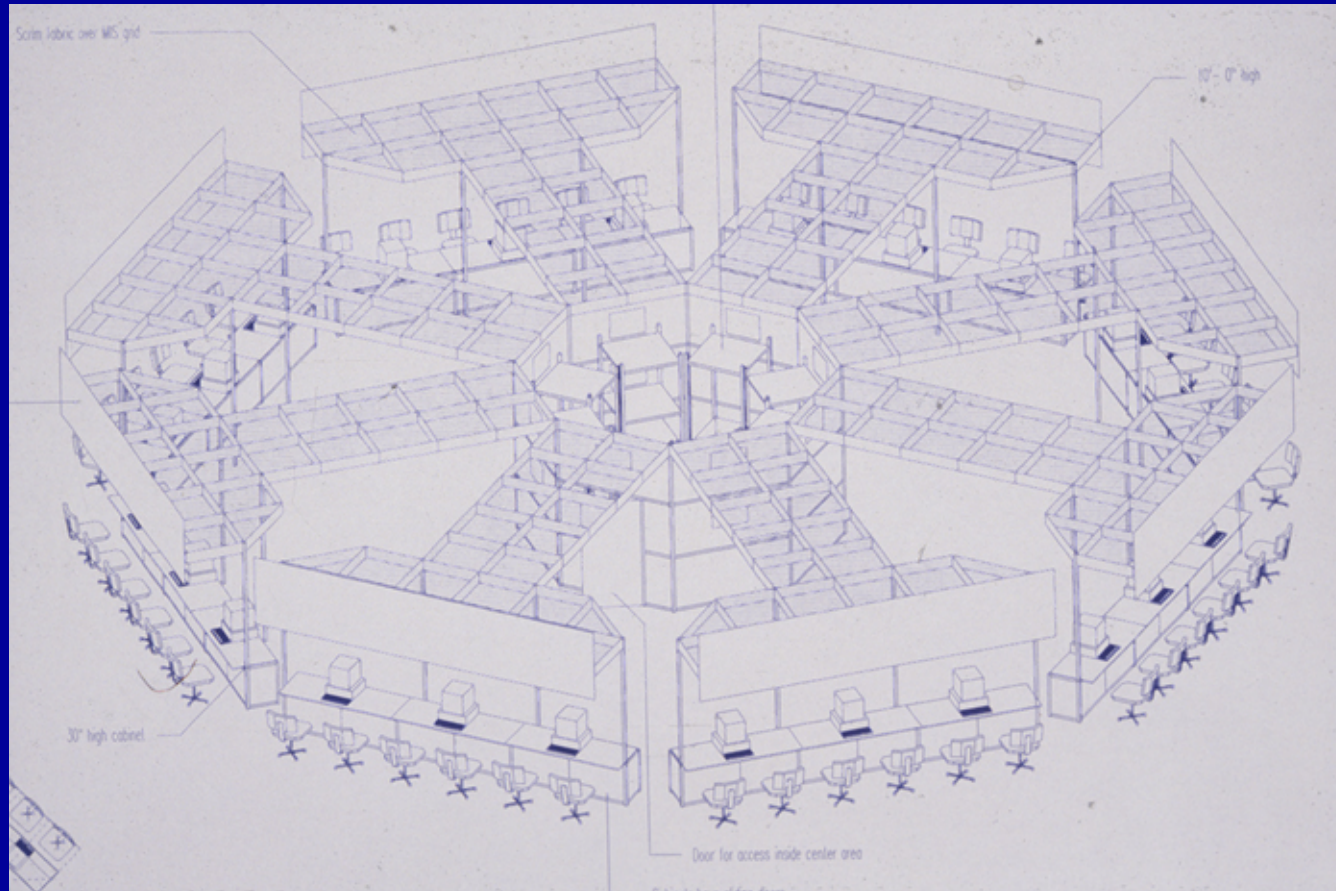
RSNA



April Proposals submitted

November





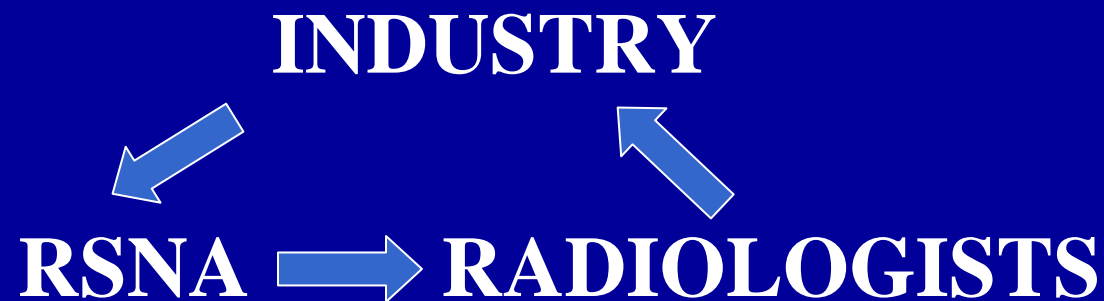




LESSONS LEARNED

The value of public demonstrations was confirmed

Recognition of the importance of an impartial provider of infrastructure



Images alone are not enough

**How can we arrange to have all of the
computer systems in a medical enterprise
communicate with one another?**

1996

1997

1998



**Can images be incorporated in
the Andover Working Group
project?**

Dick Corley

1996

1997

1998



Discussion at 1996 RSNA annual meeting

Kees Smedema – *Philips*

Bill Mortimore – *Merge*

Jack Harrington – *Hewlett-Packard*

1996

1997

1998



Meeting at RSNA Headquarters in Chicago

Is the Andover Working Group necessary?

1996

1997

1998



May 23, 1997

The first of the “Skybird” meetings

“The charge is to develop a multi-year plan aimed at expanding the educational programs and vendor exhibit activities of RSNA and HIMSS in terms of a coordinated focus on the integrated health care enterprise.”

1996

1997

1998



Communications Recommendations
RADIOLOGICAL SOCIETY OF NORTH AMERICA
Integrating the Healthcare Enterprise

Revised August 26, 1997



Public Communications Inc.

1996

1997

1998



interoffice

MEMORANDUM

to: C. Carl Jaffe, MD
Robert A. Greenes, MD, PhD
R. Gilbert Jost, MD
Jerry P. Petasnick, MD

from: Jamie Sidwell

re: IHE Logo

date: October 17, 1997

As a result of a 10 person vote (PCI and RSNA staff), please find enclosed the preferred IHE sample logo. If no one objects, we will use this as the official logo. If you have any comments, please let me know at your earliest convenience.

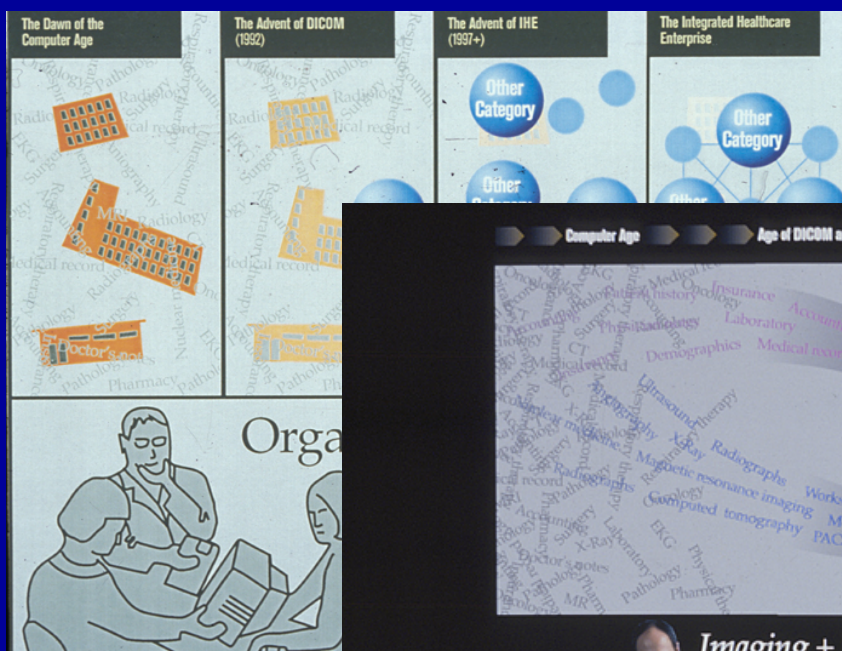
Thanks,
Jamie



1996

1997

1998



Imaging + Information for Patient Management



1996

1997

1998



Oct. 27, 1997

Proceedings of



INTEGRATING THE
HEALTHCARE ENTERPRISE

Imaging and Information for Patient Care and Management

October 27, 1997 • The O'Hare Hilton • Chicago, Illinois



RSNA
Radiological Society
of North America



Healthcare Information
and Management Systems Society

1996

1997

1998



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1998

1999

2000

HIMSS/RSNA Partner Effort to Integrate Health Information Systems

Orlando, Fla. (February 23, 1998) -- A cooperative effort to facilitate comprehensive integration among various electronic healthcare information and management systems was announced here today by the Healthcare Information and Management Systems Society (HIMSS) and the Radiological Society of North America (RSNA).

"In today's information age, patients and their caregivers must consider a wide range of information to make the best medical decisions," said Cynthia Spurr, MBA, RNC, FHIMSS, corporate director of clinical systems management at Partners Healthcare System, Boston, and 1997/98 president of HIMSS. "Although considerable medical information is currently being stored electronically, it may originate from a variety of sources that are not linked or compatible. For example, users have to go one place to see the written report of an x-ray examination and another place to see the x-ray itself.

1998

1999

2000



MEMORANDUM

May 5, 1998

TO: Steve Drew
RSNA

cc: Dr. Nick Bryan
Dr. Robert Greenes
Dr. Gilbert Jost
Dorothy Pirovano

FROM: Dianne O'Rourke and Jason Kellogg

SUBJECT: IHE MEDIA COVERAGE

This is a report of completed media coverage of the RSNA/HIMSS Integrating the Healthcare Enterprise initiative. Media relations activity has focused on select radiology, technology and healthcare trade publications.

A total of seven placements are completed, reaching an estimated audience of more than 136,449.
An asterisk (*) indicates an addition to last month's report.

1998

1999

2000



Pull the plug?

1998

1999

2000



*HIMSS/RSNA Workshop
Integration of the Health Care Enterprise
(IHE)*

October 13-14, 1998
Chicago, IL - O'Hare Courtyard by Marriott

COMPANIES:

1. AGFA
2. Cerner
3. Eclipsys
4. Fuji
5. GE
6. HBOC
7. Hewlett-Packard
8. IDX
9. Merge
10. Philips
11. Picker
12. SMS
13. Siemens
14. Staff
15. RSNA ECC Committee

PARTICIPANTS:

Gerish Hagan, Mauricio Londono
Paul Helmuth
Kendall Stanley
John Strauss
Charles Parisot, Steve Roehm
Beth Friedman, Ron Gesell
Jack Harrington, Nancy Hinckley
Debra Stenner, Ron Keen
Jay Gaeta
Yasser Alsafadi, Keas Smedema
Tim Cramer
Jack Toner
Nicholas Wirsz
John Page, HIMSS;
Chris Carr, RSNA;
Steve Drew, RSNA;
Del Stauffer, RSNA
Robert Greenes, MD
Gilbert Jost, MD

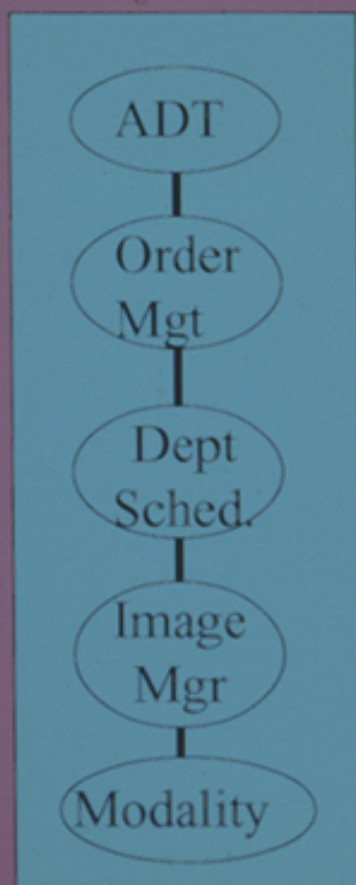
IHE Structure and Participation

- Year 1 of multi-year project
- Technical and Planning committees develop Technical Framework and Demonstration Concept documents
- Participation in demonstration open to all qualified vendors
- Schedule of events to prepare for demonstrations

Multi-Year Demonstrations

- Showcased at RSNA and HIMSS
 - year one: 1999 RSNA / 2000 HIMSS
 - long-range commitment
 - conveying a vision of interoperability in practice
- Demonstrates the growing and evolving capabilities of standards
- Clinical scenarios to convey real-life impact and benefit for healthcare providers

A Multidimensional Vision for IHE



IHE Year 1
Vertical Integration for Radiology

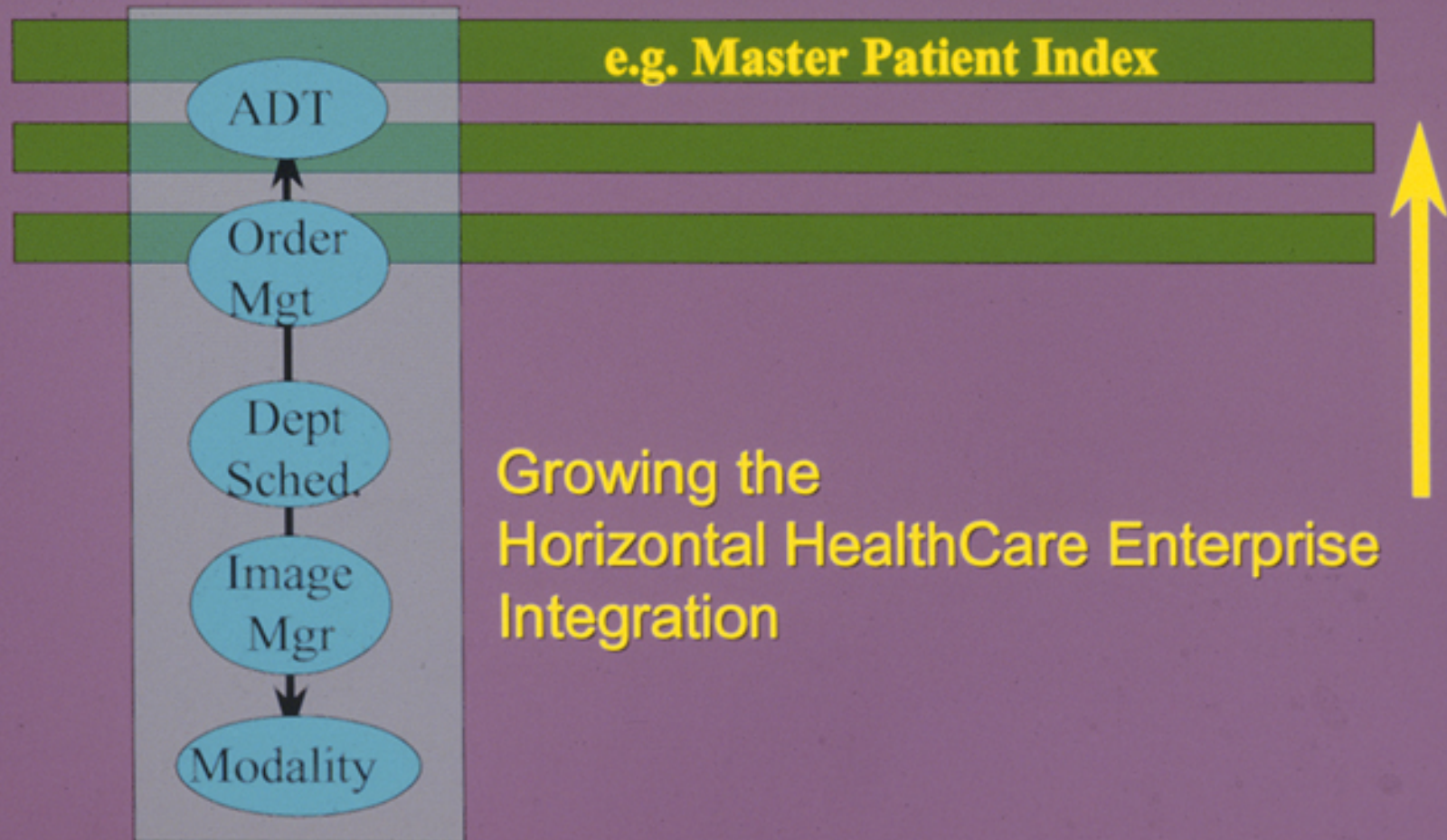
1998

1999

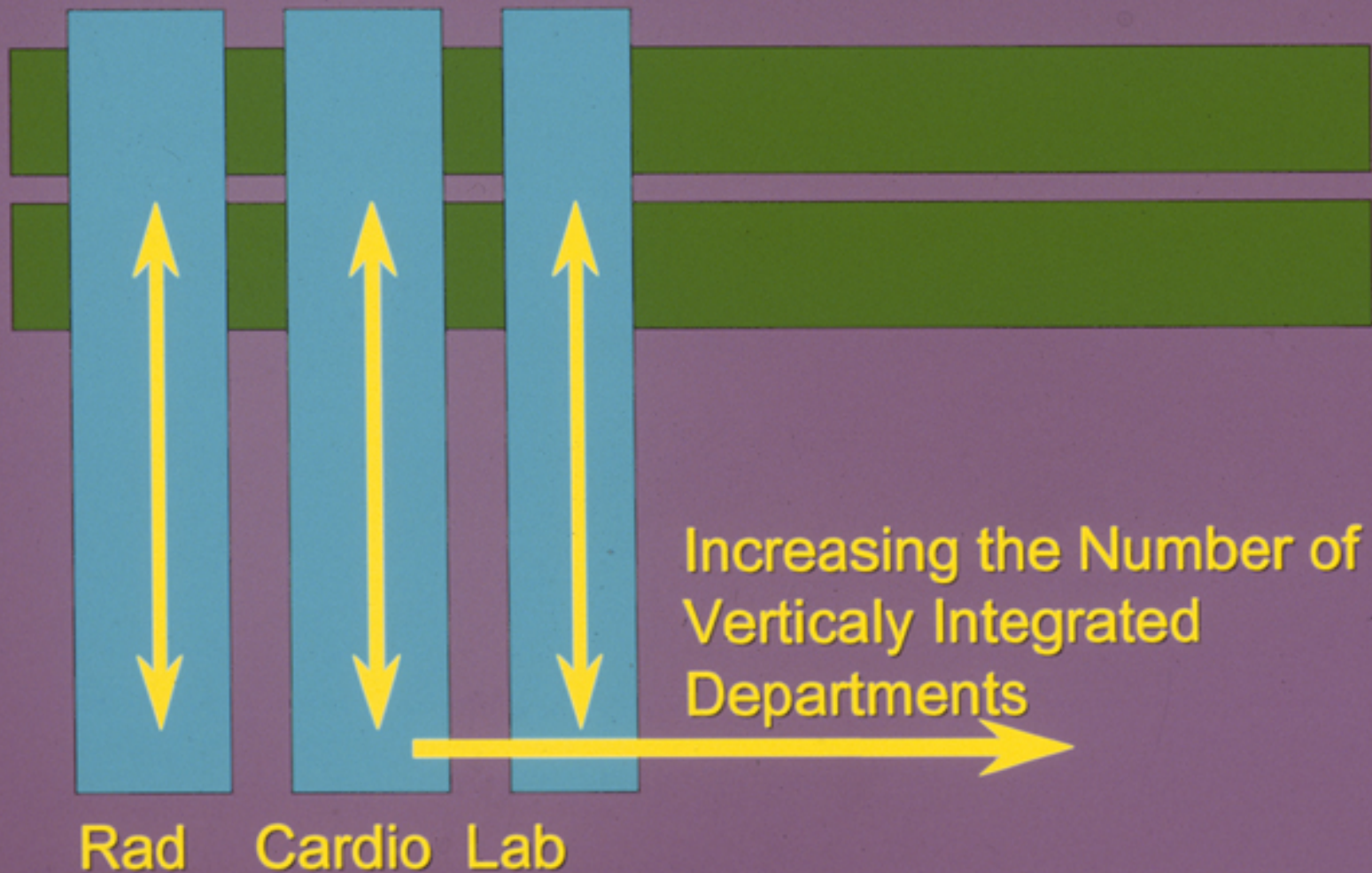
2000



Dimension 1 for IHE growth



Dimension 2 for IHE growth

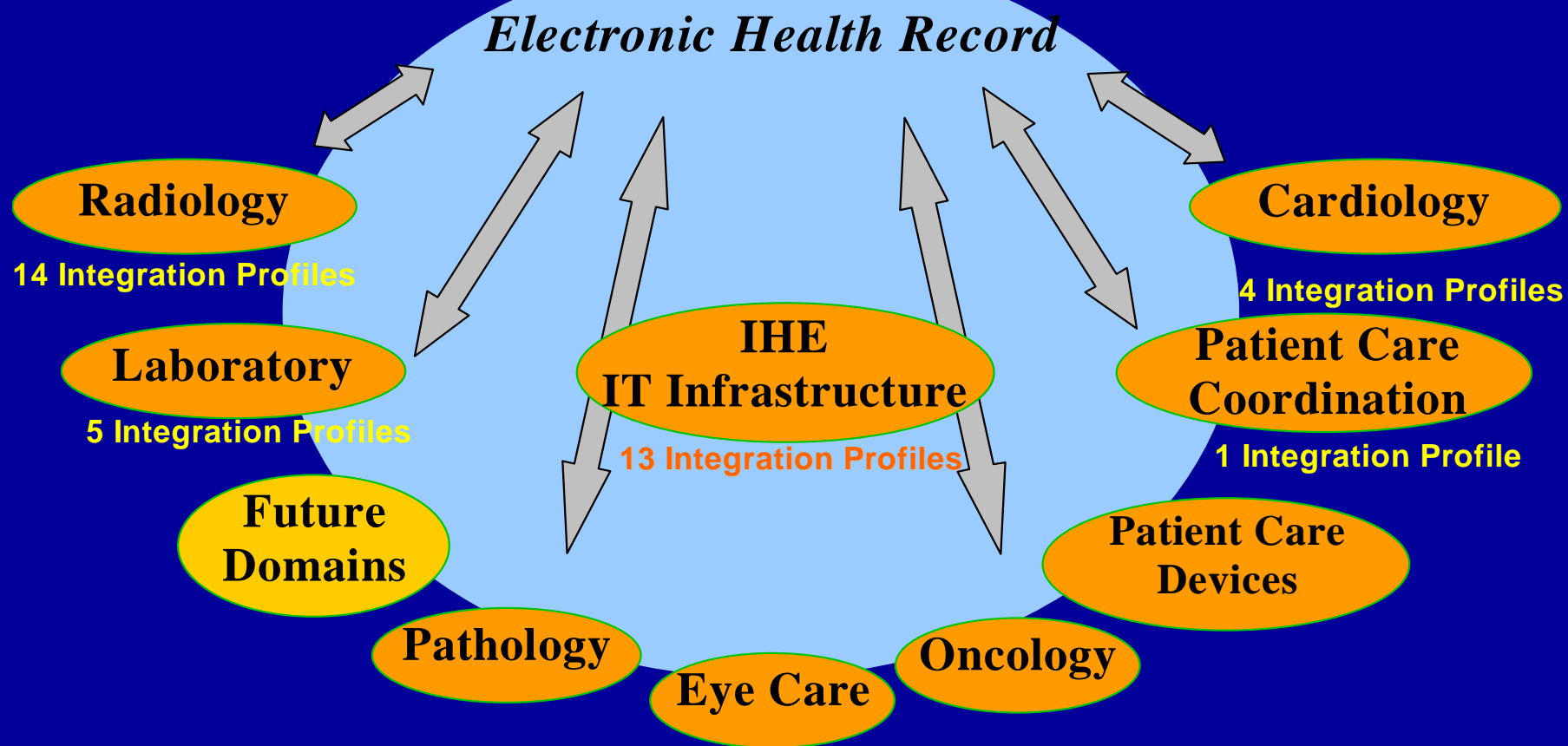


IHE Over Time

- Year 1 - Initial functional systems architecture
- Year 2 - Expanding radiological transactions from registration to reporting
- Coming in Year 3
 - Further expansion of radiological transactions
 - *Include other disciplines?*

IHE 2006 – Nine Active Domains

Over 100 vendors involved world-wide, 5 Technical Frameworks
37 Integration Profiles, Testing at Connectathons
Demonstrations at major conferences world-wide
15 Active national chapters on 4 continents



LESSONS LEARNED

Industry should drive the process

A neutral party should act as a facilitator

**Publicity is key to maintain momentum
and to draw in new participants**

IS THE BIOMARKER INITIATIVE MORE COMPLICATED?

PHARMA

FDA

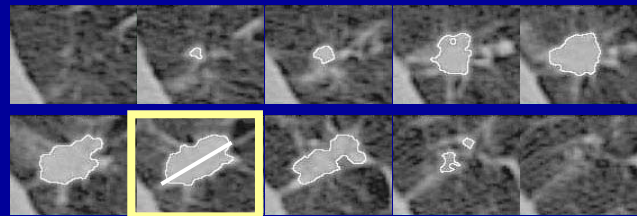
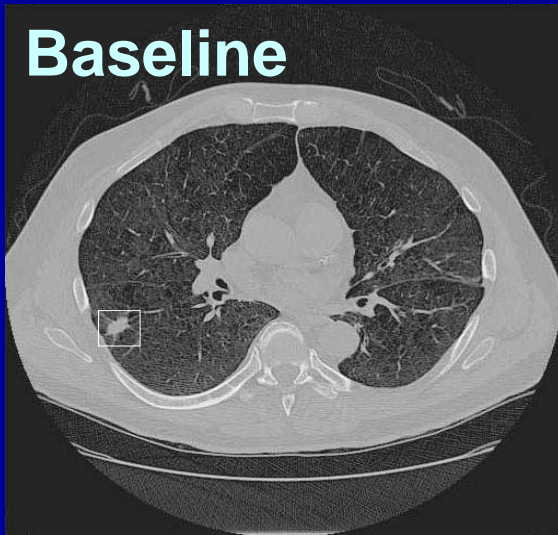
NIST

NIH

MEDICAL EQUIP. MANUFACTURERS

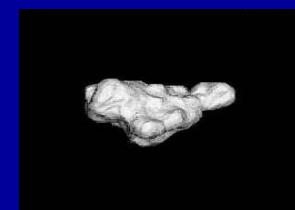
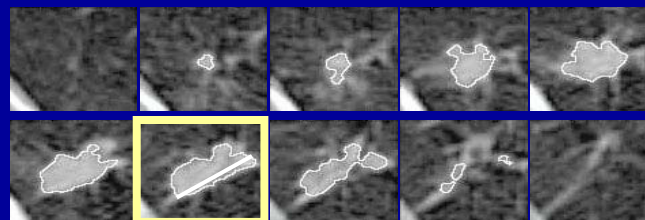
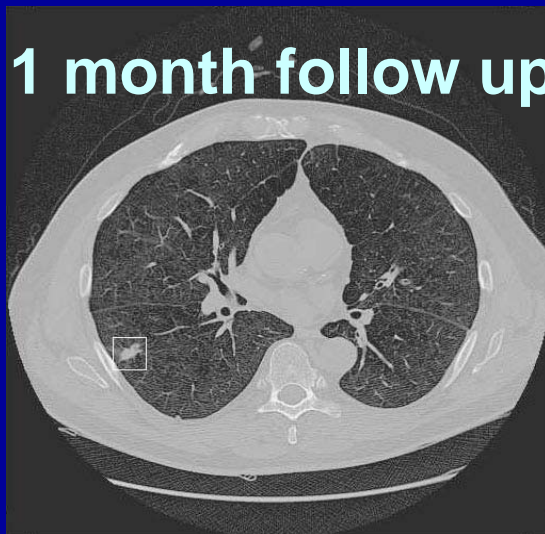
RADIOLOGISTS

Baseline



886 mm³

1 month follow up



525 mm³

Slide courtesy of Binsheng Zhao, Ph.D.,
Memorial Sloan-Kettering Cancer Center

Courtesy NCI

